

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,671,052 B1  
DATED : December 30, 2003  
INVENTOR(S) : Allen J. Rushing

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 16,

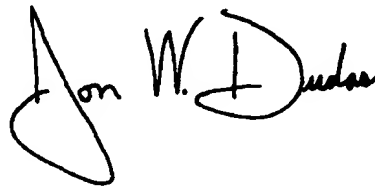
Lines 28-39, Claims 15 and 16 should read:

15. A multi-channel densitometer as set forth in claim 11, and further including, for each said sensor, a light emitter, where said light emitter emits light impinging first upon the sample area opposite said sensor, and thence from said sample area to said sensor, said emitter and said light detector forming an emitters-detector pair.

16. A multi-channel densitometer as set forth in claim 15, wherein at least one said emitter-detector pair comprises a spectrally broad-band or white light emitter and a detector with a limited band of spectral responsivity, whereby the optical density of said sample areas can be measured in the color corresponding to the spectral responsivity.

Signed and Sealed this

Twenty-third Day of March, 2004

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Acting Director of the United States Patent and Trademark Office*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,671,052 B1  
DATED : December 30, 2003  
INVENTOR(S) : Allen J. Rushing

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3,  
Line 67, delete "dk".

Column 5,  
Line 22, delete the hyphenation of "to-the".  
Line 33, change "mating" to -- making --.

Column 8,  
Line 64, delete "A-s".

Column 9,  
Line 5, delete the number "25".  
Line 30, delete "LR".

Column 11,  
Lines 17 and 39, change "30" to -- 18 --.

Column 15,  
Lines 23-34, Claims 5 and 6 should read:

5. A multi-channel densitometer as set forth in claim 1, and further including, for each said sensor, a light emitter, where said light emitter emits light impinging first upon the sample area opposite said sensor, and thence from said sample area to said light detector, said emitter and said light detector forming an emitter-detector pair.

6. A multi-channel densitometer as set forth in claim 5, wherein at least one said emitter-detector pair comprises a spectrally broad-band or white light emitter and a detector with a limited band of spectral responsivity, whereby the optical density of said sample areas can be measured in the color corresponding to the spectral responsivity.

Lines 37-44, Claim 8 should read:

8. A multi-channel densitometer as set forth in claim 5, wherein a plurality of said emitter-detector pairs are of differing emitter color or peak wavelength, whereby when said sample areas are of differing colors, they can be measured with high sensitivity using light of complementary colors to the respective areas, and whereby said sample areas of the same color can be characterized in color by a set of measurement using light of different colors.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/873,465	
	Filing Date	6/4/2001	
	First Named Inventor	Allen J. Rushing	
	Art Unit	2851	
	Examiner Name	Russell Adams	
Total Number of Pages in This Submission	10	Attorney Docket Number	105

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction,
Remarks JAN 21 2004 Patent No. 6,671,052 of Correction		

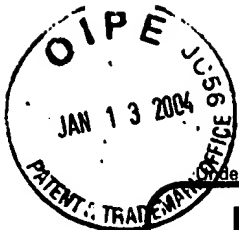
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Allen J. Rushing, applicant pro se, patentee
Signature	Allen J. Rushing
Date	Jan. 9, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Allen J. Rushing		
Signature	Allen J. Rushing	Date	Jan. 9, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 22 2004



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 100<sup>00</sup>

## Complete if Known

Application Number 09/873,465  
Filing Date 6/4/2001  
First Named Inventor Allen J. Rushing  
Examiner Name Russell Adams  
Art Unit 2851  
Attorney Docket No. 105

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit  
Account  
Number  
Deposit  
Account  
Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims		-20** =	X	
Independent Claims		-3** =	X	
Multiple Dependent				

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) Request Cert. of Correction					100 <sup>00</sup>
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					(\$) 100 <sup>00</sup>

## SUBMITTED BY

Name (Print/Type) Allen J. Rushing  
Signature Allen J. Rushing

Registration No.  
(Attorney/Agent)

(Complete if applicable)

Telephone 585 671-8045  
Date Jan. 9, 2004

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 6,671,052  
Issued: 12/30/2003  
Appn. Number: 09/873,465  
Appn. Filed: 06/04/2001  
Applicant: Allen J. Rushing  
Title: Multi-Channel Densitometer

Mailed: Webster, NY  
January 9, 2004

**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The above patent contains significant errors, as indicated on the attached Certificate of Correction form (submitted in duplicate). Two of these errors arose through the fault of applicant. These two errors are of a clerical or minor nature, and occurred in good faith and therefore issuance of the Certificate of Correction is respectfully requested.

A check for \$100 for the fee is enclosed.

01/14/2004 MGE BREM2 00000235 6671052

01 FC:1811

100.00 OP

JAN 22 2004



Specifically, corrections are requested in 8 places in the Specification. In addition, corrections are requested in Claims 5, 6, 8, 15, and 16. The attached Certificate of Correction form shows in detail how the patent as printed should be corrected.

Very respectfully,

A handwritten signature in cursive script that reads "Allen J. Rushing".

Allen J. Rushing  
Patentee

Enclosures

429 Tara Lane  
Webster, NY 14580  
Tel. (585) 671-8045

United States Patent and Trademark Office

Certificate of Correction

Patent No.: 6,671,052

Issue Date: December 30, 2003

Inventor: Allen J. Rushing

It is certified that error appears in the above-identified printed patent and that Letters Patent are hereby corrected as shown below:

~~In the Specification:~~

In col. 3, line 67 delete "dk".

~~photomultiplier tubes used in some older dk densitometers.~~

In col. 5, line 22 delete the hyphenation of "to-the".

~~trol functions. If the connection to the host is wireless,~~

In col. 5, line 33 change "mating" to <sup>making</sup>.

~~devices such as motors and corona chargers, mating making noise.~~

In col. 8, line 64 delete "A-s".

~~cyan, magenta, and yellow A-s separation colorants must be~~

JAN 22 2004

## Certificate of Correction (continued)

Patent No.: 6,671,052

2 of 3

100

In col. 9, line 5 delete the number "25".

~~21 have sensors positioned in the 25 same track, upstream~~

In col. 9, line 30 delete "LR".

~~transfer roller 42 LR transfers toner from image web 16 to~~

In col. 11, line 17 change "30" to 18.

~~of web 30 18, to a distance inside the edge positioning sensor~~

In col. 11, line 39 change "30" to 18.

~~process direction, and circuit board spacing from web 30 18. A~~

~~In Claims 5, 6, 8, 15, and 16~~

Column 15, Lines 23-34,

~~Correct the misprints of "emitter-detector pair" in claims 5, 6, 8, 15, and 16~~

and

should read:

5. A multi-channel densitometer as set forth in claim 1, and further including, for each said sensor, a light emitter, where said light emitter emits light impinging first upon the sample area opposite said sensor, and thence from said sample area to said light detector, said emitter and said light detector forming an emitter-detector pair.

6. A multi-channel densitometer as set forth in claim 5, wherein at least one said emitter-detector pair comprises a spectrally broad-band or white light emitter and a detector with a limited band of spectral responsivity, whereby the optical density of said sample areas can be measured in the color corresponding to the spectral responsivity.

Do not  
key underlines  
or strike-throughs



## Certificate of Correction (continued)

Patent No.: 6,671,052

*CA*  
*Column 15, Lines 37-44, Claim 8 should read: 3 of 3*

8. A multi-channel densitometer as set forth in claim 5, wherein a plurality of said emitter-detector pairs are of differing emitter color or peak wavelength, whereby when said sample areas are of differing colors, they can be measured with high sensitivity using light of complementary colors to the respective areas, and whereby said sample areas of the same color can be characterized in color by a set of measurements using light of different colors.

*Column 16, Lines 28-39, Claims 15 and 16 should read:*

15. A multi-channel densitometer as set forth in claim 11, and further including, for each said sensor, a light emitter, where said light emitter emits light impinging first upon the sample area opposite said sensor, and thence from said sample area to said sensor, said emitter and said light detector forming an emitters-detector pair.

16. A multi-channel densitometer as set forth in claim 15, wherein at least one said emitter-detector pair comprises a spectrally broad-band or white light emitter and a detector with a limited band of spectral responsivity, whereby the optical density of said sample areas can be measured in the color corresponding to the spectral responsivity.

Mailing Address of Sender:

Patent No. 6,671,052

Allen J. Rushing

429 Tara Lane

Webster, NY 14580

JAN 22 2004

United States Patent and Trademark Office

**Certificate of Correction**

**Patent No.:** 6,671,052

**Issue Date:** December 30, 2003

**Inventor:** Allen J. Rushing

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In col. 5, line 33 change "mating" to "making":

devices such as motors and corona chargers, ~~mating~~ making noise

In col. 8, line 64 delete "A-s":

cyan, magenta, and yellow ~~A-s~~ separation colorants must be

JAN 22 2004

## Certificate of Correction (continued)

**Patent No.:** 6,671,052

In col. 9, line 5 delete the number "25":

**21h** have sensors positioned in the ~~25~~ same track, upstream

In col. 9, line 30 delete "LR":

transfer roller **42** ~~LR~~ transfers toner from image web **16** to

In col. 11, line 17 change "**30**" to "**18**":

of web ~~30~~ **18**, to a distance inside the edge positioning sensor

In col. 11, line 39 change "**30**" to "**18**":

process direction, and circuit board spacing from web ~~30~~ **18**. A

In Claims 5, 6, 8, 15, and 16

Correct the misprints of "emitter-detector pair" in claims 5, 6, 8, 15, and 16:

5. A multi-channel densitometer as set forth in claim 1, and further including, for each said sensor, a light emitter, where said light emitter emits light impinging first upon the sample area opposite said sensor, and thence from said sample area to said light detector, said emitter and said light detector forming an emitter-detector pair.

6. A multi-channel densitometer as set forth in claim 5, wherein at least one said emitter-detector pair comprises a spectrally broad-band or white light emitter and a detector with a limited band of spectral responsivity, whereby the optical density of said sample areas can be measured in the color corresponding to the spectral responsivity.

## Certificate of Correction (continued)

Patent No.: 6,671,052

8. A multi-channel densitometer as set forth in claim 5, wherein a plurality of said emitter-detector pairs are of differing emitter color or peak wavelength, whereby when said sample areas are of differing colors, they can be measured with high sensitivity using light of complementary colors to the respective areas, and whereby said sample areas of the same color can be characterized in color by a set of measurements using light of different colors.

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Mailing Address of Sender:

Patent No. 6,671,052

Allen J. Rushing

429 Tara Lane

Webster, NY 14580

JAN 22 2004